



west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0475 • FAX: (304) 926-0479

Jim Justice, Governor
Austin Caperton, Cabinet Secretary
www.dep.wv.gov

February 27, 2017

Evan Midler
2596 Battle Run Road
Triadelphia, WV 26059

RE: Tunnel Ridge, LLC
Triadelphia Facility
Permit Application No. G40-C087
Plant ID No. 069-00099

Dear Mr. Midler:

Your application for a permit as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed permit G40-C087 is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

This permit does not affect 45CSR30 applicability, the source is a nonmajor source subject to 45CSR30.

In accordance with 45CSR30- Operating Permit Program, the permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

Should you have any questions or comments, please contact me at (304) 926-0499, extension 1212.

Sincerely,

Thornton E. Martin Jr.
Permit Engineer

c: Evan Midler, evan.midler@arlp.com
John Dubowski, jdubowski@jhacompanies.com

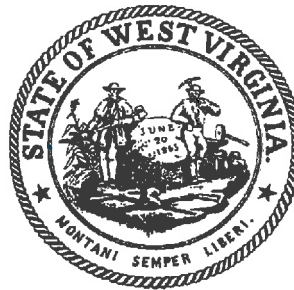
West Virginia Department of Environmental Protection

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**Class II General Permit
G40-C Registration to Construct**



for the
Prevention and Control of Air Pollution in regard to the
Construction, Modification, Relocation,
Administrative Update and Operation of
Nonmetallic Mineral Processing Plants

*The permittee identified at the facility listed below is authorized to
construct the stationary sources of air pollutants identified herein in accordance
with all terms and conditions of General Permit G40-C.*

G40-C087

Issued to:

Tunnel Ridge, LLC
Triadelphia Portable Crusher/Screening Plant
069-00099

A handwritten signature in blue ink, appearing to read "William F. Durham", is written over a horizontal line.

William F. Durham
Director

Effective: February 27, 2017

This Class II General Permit Registration will supercede and replace: *Not Applicable*

Facility Location: Short Creek Road, Wheeling, WV
Mailing Address: 2596 Battle Run Road, Triadelphia, WV 26059
Facility Description: Nonmetallic Mineral Processing Plant
NAICS Codes: 212312
UTM Coordinates: Easting: 529.297959 km Northing: 4444.739994 km Zone: 17
Registration Type: Construction

Subject to 40CFR60 Subpart OOO? Yes

Subject to 40CFR60 Subpart IIII? Yes

Subject to 40CFR60 Subpart JJJJ? No

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

As a result of this permit, the source is a nonmajor or area source subject to 45CSR30. Therefore, the facility is not subject to the permitting requirements of 45CSR30 and is classified as a deferred source.

Unless otherwise stated WVDEP DAQ did not determine whether the registrant is subject to an area source air toxics standard requiring Generally Achievable Control Technology (GACT) promulgated after January 1, 2007 pursuant to 40 CFR 63, including the area source air toxics provisions of 40 CFR 63, Subpart ZZZZ.

All registered facilities under Class II General Permit G40-C are subject to Sections 1.0, 1.1, 2.0, 3.0, and 4.0.

The following sections of Class II General Permit G40-C apply to the registrant:

Section 5	Nonmetallic Mineral Processing Operations	X
Section 6	Standards of Performance for Nonmetallic Mineral Processing Plants that Commenced Construction, Reconstruction or Modification after August 31, 1983 but before April 22, 2008 (40CFR60 Subpart OOO)	<input type="checkbox"/>
Section 7	Standards of Performance for Nonmetallic Mineral Processing Plants that Commenced Construction, Reconstruction or Modification on or after April 22, 2008. (40CFR60 Subpart OOO)	X
Section 8	Reciprocating Internal Combustion Engines (R.I.C.E.)	X
Section 9	Tanks	<input type="checkbox"/>
Section 10	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII)	X
Section 11	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ)	<input type="checkbox"/>

Emission Units

Equipment ID No.	Date of Manufacture	Description	Maximum Capacity		Control Equipment ¹
			TPH	TPY	
OS-1	2017	3,000 ton Open Stockpile - previously stockpiled rock (raw material)	----	600,000	SW-WS
BS-1	2008	Crusher Hopper - receives rock from open stockpile OS-1 via loader and then feeds crusher CR-1	300	600,000	PE
CR-1	2008	Jaw Crusher - receives rock from BS-1, crushes material dropping onto main product conveyor BC-1	300	600,000	FE
BC-1	2008	Belt Conveyor - receives processed rock from crusher CR-1 and transfers to screen hopper BS-2	300	600,000	WS
BS-2	2015	Screen Hopper - receives processed rock from belt conveyor BC-1 and transfers to belt conveyor BC-2	300	600,000	PE
BC-2	2015	Belt Conveyor - receives processed rock from screen hopper BS-2 and transfers to screen SC-1	300	600,000	N
SC-1	2015	Double Deck Screen - receives processed rock from belt conveyor BC-2. Sized rock drops to belt conveyors BC-03 or BC-04 or to ground	300	600,000	FE
BC-3	2015	Belt Conveyor - receives sized rock from screen SC-1 and transfers to open stockpile OS-2 or to truck	200	400,000	N
OS-2	2017	3,000 ton Open Stockpile - receives sized rock from belt conveyor BC-3	----	400,000	SW-WS

Equipment ID No.	Date of Manufacture	Description	Maximum Capacity		Control Equipment ¹
			TPH	TPY	
BC-4	2015	Belt Conveyor - receives sized rock from screen SC-1 and transfers to open stockpile OS-3 or to truck	100	200,000	N
OS-3	2017	2,000 ton Open Stockpile - receives sized rock from belt conveyor BC-4	----	200,000	SW-WS
E-1	2008	Caterpillar C9, Tier 3(CARB:U-R-001-0322)	300 bhp/2,200 rpm		N
E-2	2015	Caterpillar C4.4, (EU: Stage IIIA, Mfg. Data Sheet)	110 bhp/2,200 rpm		N

¹ FE - Full Enclosure; PE - Partial Enclosure; WS- Water Spray N - None

Control Devices (*Not Applicable*)

Control Device ID	Source ID No.	Emission Unit Description	Month/Year Constructed, Reconstructed, or Modified

Reciprocating Internal Combustion Engines

Emission Unit ID	Emission Unit Description (Make, Model, Serial No.)	Year Installed	Design Capacity (Bhp/rpm)
E-1	Caterpillar C9 Diesel Engine, Tier 3 Certified	2008	300 / 2,200
E-2	Caterpillar C4.4 Diesel Engine, EU: Stage IIIA	2015	110 / 2,200

Reciprocating Internal Combustion Engines (R.I.C.E.) Information

Emission Unit ID	Subject to 40CFR60 Subpart IIII?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 8.1.4/8.2.1 (Catalytic Reduction Device)
E-1	Yes	No	No
E-2	Yes	No	No

Emission Limitations

Emission Source	Maximum Controlled Hourly Emissions (lb/hr)	Maximum Controlled Annual Emissions (tons/year)
FUGITIVE EMISSIONS		
Stockpiles	0.05	0.23
Unpaved Haulroads	0.00	0.00
Paved Haulroads	0.00	0.00
Total Fugitive Emissions	0.05	0.23
POINT SOURCE EMISSIONS		
Equipment Emissions	0.81	0.81
Transfer Point Emissions	3.66	3.66
Total Point Source Emissions	4.47	4.47
TOTAL FACILITY EMISSIONS		
Total Facility Emissions	4.52	4.70

Engines

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
E-1	Caterpillar C9 Diesel Engine	Carbon Monoxide	1.33	1.33
		Nitrogen Oxides	1.16	1.16
		Volatile Organic Compounds	0.40	0.40
		Particulate Matter < 10 um	0.09	0.09
E-2	Caterpillar C4.4 Diesel Engine	Carbon Monoxide	0.90	0.90
		Nitrogen Oxides	0.54	0.54
		Volatile Organic Compounds	0.18	0.18
		Particulate Matter < 10 um	0.05	0.05